Acids and Bases

Unit 5

MC900410905[1]

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| What is an Acid? | What is a Base? |
| What are some of the properties of an acid? | What are some of the properties of a base? |

What is a Buffer?

The pH Scale:

|  |  |  |
| --- | --- | --- |
| pH | Acid, Base or Neutral | Example |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |
| 11 |  |  |
| 12 |  |  |
| 13 |  |  |
| 14 |  |  |

What is an indicator? –

Types of indicators –

Reactions of a metal and an acid –

Acid Base Reaction, Neutralization Reaction –

Titration:

MAVA = MBVB

What volume of a 3.0 M base is needed to exactly neutralize 4.6 liters of a 2.4 M acid?

What concentration of 3.2 liters of acid is needed to neutralize 5.8 liters of a 5.0 M base?